

CLAIMS

1. Method of uniformly distributing substance or mixture of substances (referred to
5 as A) in a carrier or substrate or in a mixture of different carriers or substrates
(referred to as B), characterized in that a substance A having a particle size < 50
 μm is applied uniformly to the surface of the substrate B having a particle size < 5
mm and the mixture of A and B is subjected to a shape conversion operation with
pressure and/or temperature, the viscosity during the operation being at least 50
10 mPas*s.
2. Method according to Claim 1, characterized in that the size ratio of the substance
A to the substrate B is $< 1:20$, preferably $< 1:50$, more preferably $< 1:100$.
- 15 3. Method according to Claim 1, characterized in that the substance A has a particle
size $< 20 \mu\text{m}$, preferably $< 10 \mu\text{m}$.
4. Method according to Claim 3, characterized in that the substance A has a particle
size distribution $D_{90} < 100 \mu\text{m}$ and $D_{50} < 50 \mu\text{m}$, preferably a particle size distribu-
20 tion between $D_{90} < 50 \mu\text{m}$ and $D_{50} < 20 \mu\text{m}$ and, respectively, $D_{90} < 30 \mu\text{m}$ and
 $D_{50} < 10 \mu\text{m}$.
5. Method according to Claim 1, characterized in that the substrate B has a particle
size $< 2 \text{ mm}$, preferably $< 1 \text{ mm}$.
- 25 6. Method according to Claim 1, characterized in that the viscosity of the mixture of
A and B is at least 100 mPas*s, preferably at least 200 mPas*s, in particular at
least 500 mPas*s.
- 30 7. Method according to any of Claims 1 to 6, characterized in that the substance A is
dissolved in the substrate B.

8. The raw compositions, semi-finished products or end articles obtained by the method according to Claims 1 to 6.
9. Plastics additives and mixtures therefore in micronized form.
10. Micropowder according to Claim 9, wherein the plastics additive is one from the class of the HALS.
11. Micropowder according to Claim 9 and/or 10, wherein the plastics additive is in a mixture with other additives.
12. Micropowder according to one of more of Claims 9 to 11, having a particle size distribution $D_{90} < 100 \mu\text{m}$ and $D_{50} < 50 \mu\text{m}$, preferably a particle size distribution between $D_{90} < 50 \mu\text{m}$ and $D_{50} < 20 \mu\text{m}$ and, respectively, $D_{90} < 30 \mu\text{m}$ and $D_{50} < 15 \mu\text{m}$.
13. Method of producing micronized plastics additives and mixtures thereof, characterized in that the plastics additives and, respectively, their mixtures are produced by grinding a coarser form or by direct production by means of crystallization or by spraying.
14. Method according to Claim 13, characterized in that a coarse powder is converted to the desired particle size by means of air jet mill.
15. Use of a micropowder according to one or more of Claims 9 to 12 for incorporation into polymeric substrates.
16. Use according to Claim 15, characterized in that polyolefins are stabilized against harmful effects of light.